

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14987

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04J11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/026235 A1 (GRILLI FRANCESCO ET AL) 6 February 2003 (2003-02-06)	17, 18
A	paragraphs '0006! - '0015!, '0044! - '0062!; figure 6	1-16, 19-24
A	US 2003/081584 A1 (HEO WON-SUK) 1 May 2003 (2003-05-01) paragraphs '0014! - '0029!; figures 2-4	1-24

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

9 August 2004

Date of mailing of the international search report

16/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Nilsson, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/14987

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD) (3GPP TS 25.213 version 5.3.0 Release 5); ETSI TS 125 213" ETSI STANDARDS, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE, SOPHIA-ANTIPO, FR, vol. 3-R1, no. V530, March 2003 (2003-03), XP014008390 ISSN: 0000-0001 paragraphs '5.2.1!', '5.2.2!' -----	1-24

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14987

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2003026235	A1	06-02-2003	EP	1405542 A1	07-04-2004
			WO	03007647 A1	23-01-2003
US 2003081584	A1	01-05-2003	KR	2003035801 A	09-05-2003